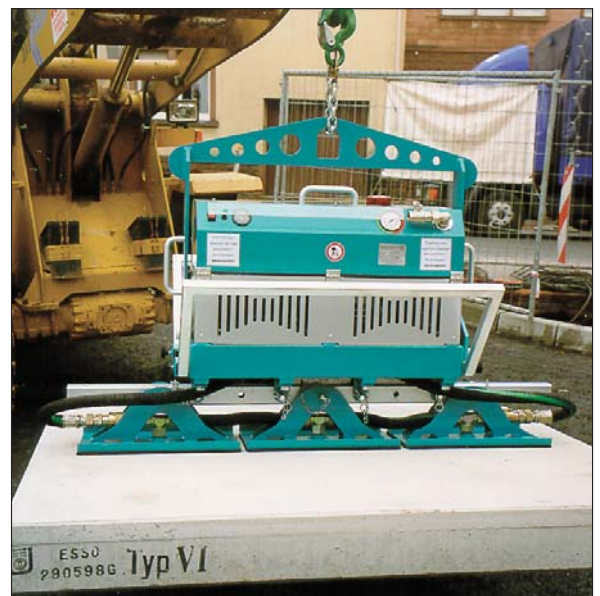


850

Kappa-Levator



Patented / Application Made for Patent

The strong vacuum lifter for all surfaces

Kappa Levator: the strong vacuum lifter for the handling of natural stones and porous material such as exposed aggregate concrete, autoclaved aerated concrete, kerb stones, ...

The Kappa Levator is the strongest piece of our Levistor technology. It is specially designed for the handling of porous material, where larger volume flows are required and where battery operation is no longer feasible. Air-tight material can also be handled.

Immediately after positioning the Levator, it attaches itself securely to the surface. The Levistor releases the plate when required: open the sliding switch.

The vacuum is controlled by a visual warning sign. All component parts such as vacuum storage, voltmeter and valves meet safety requirements and they are packed into the operating device.

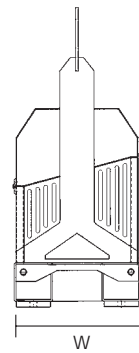
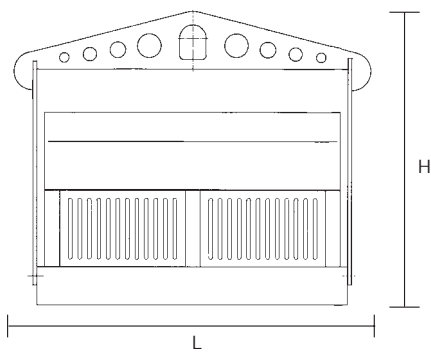
If the Levator is equipped with a combustion engine, it may be fitted to any material handling lifting equipment such as cranes, excavators or wheel-loaders. There are no trailing cables. The Levator technology is a very compact construction.

If the Levator is used for indoor operation, it is recommended to use an electric motor.

Your safety is very important for us. Therefore, the Kappa Levator can be equipped with two safety chains when operating high above the ground.

Due to its modular construction, the Kappa Levator can be built according to customer's requirements: drive via a combustion engine or an electric motor, 1,2,3,4 or more suction pads, solid or adjustable, according to your requirements.

The Kappa Levator can also serve as basic equipment for several manually operated suction pads.



Drive:	alternatively 4-stroke HONDA engine: or electric motor:	4 kW 1.1 kW, 380 V - 50 Hz
Vakuum Pump:	vacuum pump	800 l/min., -0.9 bar, with filter and water trap
Carrying Capacity:	depending on material and suction pads	1,600 kg (special construction 6,000 kg)
Suction Plates:	Individual pad 270 x 460 mm 2 suction pads adjustable with lifting frame 4 suction pads with lifting frame Special suction pads	400 kg at -0.9 bar / 200 kg at -0.5 bar 800 kg at -0.9 bar / 400 kg at -0.5 bar 1,600 kg at -0.9 bar / 800 kg at -0.5 bar according to customer's requirements
Operation:	according to UVV-VBG 9a, with manometer, voltmeter 12 V rechargeable battery, vacuum storage, non-return valve, sliding valve, 12 V power, visual warning sign	
Weight:	depending on suction pads system:	approx. 150 kg (with HONDA engine)
Dimensions:	(width x height x length)	370 x 770 x 840 mm

Applications



Kappa Levator with combustion engine, equipped with tie-bar and three suction pads.

Laying of natural stone steps in conjunction with a wheel loader.



Kappa Levator with electric motor, equipped with tie-bar and three suction pads.

Sticking of autoclaved aerated concrete plates of a maximum weight of 800 kg in conjunction with a slewing pillar crane in an autoclaved aerated concrete factory.



Kappa Levator with combustion engine, equipped with tie-bar and two special suction pads.

Laying of reinforced concrete pipes DN 500 mm in conjunction with an excavator.

Pipe outside diameter:	630 mm
Pipe length:	3.000 mm
Pipe weight:	1.000 kg

Further dimensions available.

Special Designs

X-shaped and adjustable tie-bar with integrated Kappa Levator with combustion engine.

Equipped with six adjustable suction pads which can be switched off individually.

Designed for a tank and apparatus engineering company to be used for charging machines with large-sized stainless steel plates.

Carrying capacity: with 6 suction pads 6,000 kg
 with 4 suction pads 4,000 kg
 with 2 suction pads 2,000 kg

Plate diameter: maximum: 8,500 mm
 minimum: 3,000 mm

